

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of :
Kazutoshi HIGUCHI :
Serial No.: Group Art Unit:
Filed: April 27, 2001 Examiner:
For: PORTABLE MOBILE UNIT

PRELIMINARY AMENDMENT

Commissioner for Patents
Washington, DC 20231

Sir:

Prior to examination of the above-referenced application, please amend the application as follows:

IN THE SPECIFICATION:

On page 1, please change lines 4-8 to read as follows:

This invention relates to a portable mobile unit, and more particularly to a portable mobile unit suitably used to give an alarm when an uplink signal does not reach a base station even though a downlink signal can be received normally at the mobile unit.

On page 1, lines 19+, please change the paragraph to read as follows:

Japanese Patent Laid-Open No. 335904/1996 discloses a portable mobile unit for detecting an abnormality-representing signal when the level of the signal transmission power increases to a predetermined reference level or more due to a fault of the portable mobile unit continues for a period of time not shorter than a predetermined reference period of time, and then raise an alarm.

On page 2, lines 6, please change the following paragraphs to read as follows:

A portable mobile unit disclosed in Japanese Patent Laid-Open No. 335894/1996 is for detecting the abnormality ascribed to a fault of the portable mobile unit, and cannot deal with the deterioration of the line speech quality.

SUMMARY OF THE INVENTION:

The object of the present invention is to provide a portable mobile unit which is very convenient for a user by giving an alarm when the uplink speech quality lowers even though a downlink signal is normal. The portable mobile unit in the present invention is capable of immediately notifying its user that a signal sent out from the mobile unit does not reach a base station.

According to an aspect of the present invention, the portable mobile unit has a capability of making bi-directional wireless communication, and includes a controller for controlling the intensity of a transmission signal on the basis of a control signal contained in a received signal, a control operation being carried out so as to at least either display abnormality or give an alarm when an intensity control signal contains a command to set a transmission signal to a maximum transmission output with an intensity of a received signal within a predetermined range.

MARKED UP VERSION ILLUSTRATING AMENDMENTS

On page 1, please change lines 4-8 to read as follows:

This invention relates to a portable mobile unit, and more particularly to a portable mobile unit suitably used to give an alarm when an uplink signal [only] does not reach a base station even though a downlink signal can be received normally at the mobile unit.

On page 1, lines 19+, please change the paragraph to read as follows:

Japanese Patent Laid-Open No. 335904/1996 discloses a portable mobile unit for [detect] detecting an abnormality-representing signal when the level of the signal transmission power increases to a predetermined reference level or more due to a fault of the portable mobile unit continues for a period of time not shorter than a predetermined reference period of time, and then raise an alarm.

On page 2, lines 6, please change the following paragraphs to read as follows:

A portable mobile unit disclosed in Japanese Patent Laid-Open No. 335894/1996 is for [detect] detecting the abnormality ascribed to a fault of the portable mobile unit, and cannot deal with the deterioration of the line speech quality.

SUMMARY OF THE INVENTION:

The object of the present invention is to provide a portable mobile unit which is very convenient for a user by giving an alarm when the uplink speech quality lowers even though a downlink signal is normal. The portable mobile unit in the present invention is capable of immediately notifying its user that a signal sent out from the mobile unit does not reach a base station.

According to an aspect of the present invention, the portable mobile unit has a capability of making bi-directional wireless communication, and includes a controller for [control] controlling the intensity of a transmission signal on the basis of a control signal contained in a received signal, a control operation being carried out so as to at least either display abnormality or give an alarm when [a] an intensity control signal contains a command to set a transmission signal to a maximum transmission output with [a] an intensity of a received signal within a predetermined range.

REMARKS

Entry of this preliminary amendment is respectfully requested.

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